

IN THE CLAIMS:

Please amend the claims as follows:

Claim 1. (Amended) A process for producing a positive electrode for a secondary battery, said process comprising:

(a) calcining a raw material containing a lithium compound under an oxidizing atmosphere to form calcined powders;

(b) forming said calcined powders to shape of an electrode after incorporating organic fibers or organic polymer particles thereinto; and

(c) calcining the formed calcined powders under the oxidizing atmosphere, thereby obtaining a porous sintered positive electrode;

wherein the calcining in step (a) of the raw material is conducted at a temperature lower than the temperature of calcining in step (c) of the formed powders; and

wherein the calcining of the raw material in step (a) is conducted for a period of time less than the period of time of calcining in step (c) of the formed powders.

Claim 2. (Amended) A process for producing a positive electrode for a secondary battery, said process comprising:

(a) calcining a raw material containing a lithium compound under an oxidizing atmosphere to form calcined powders;

(b) forming said calcined powders to shape of an electrode after incorporating organic fibers thereinto; and

(c) calcining the formed calcined powders under the oxidizing atmosphere, thereby obtaining a porous sintered positive electrode;

wherein the calcining in step (a) of the raw material is conducted at a temperature lower than the temperature of calcining in step (c) of the formed powders

wherein the calcining of the raw material in step (a) is conducted for a period of time less than the period of time of calcining in step (c) of the formed powders; and

wherein said organic fibers have a cross-sectional diameter of 0.1 to 100 μm and said organic polymer particles have a diameter of 0.1 to 100 μm .

Please add the following claims:


Claim 3. (New) A process for producing a porous sintered positive electrode for a secondary battery, said process comprising:

(a) calcining a raw material containing a lithium compound under an oxidizing atmosphere to form calcined powders;

(b) mixing the calcined powders with a material selected from the group consisting of organic fibers and organic polymer particles to form a raw mixture;

(c) forming said raw mixture into a raw electrode; and

(d) heating said raw electrode to remove any organic fibers and any organic polymer particles, thereby converting said raw electrode into a porous sintered positive electrode.



Claim 4. (New) The process of claim 3, wherein the heating of step (d) is conducted at a temperature of from about 600°C to about 1500°C.

Claim 5. (New) The process of claim 3, wherein the calcining in step (a) of the raw material is conducted at a temperature lower than the temperature of calcining in step (c) of the formed powders; and

wherein the calcining of the raw material in step (a) is conducted for a period of time less than the period of time of calcining in step (c) of the formed powders.